

**AP Computer Science
Principles
Eric C. Wolgemuth 2022-
2023**

Course Length	1 year
Credits	1.0
Course Description	AP Computer Science Principles is a college level introduction/survey of computer science.
Course Objectives	At the end of this course students will be able to: <ul style="list-style-type: none">• Pass the AP CSP exam• Work in teams to collaborate in creating, troubleshooting and completing java script programs• Research and evaluate career opportunities in software development and related STEM industries

Materials

This is a computer science course, so it is critical that students bring a laptop or district issued chromebook computer to class every day.

We do not have a physical textbook; however, we do use curriculum provided by Code.org which is AP approved.

The following websites will be used throughout the course:

- Code.org curriculum website: https://studio.code.org/courses/csp-2022?section_id=4234077
- Mr. W AP CSP Classroom Website: <https://misterwghhs.s3.amazonaws.com/index.html>

Grading: Students are graded on tests, quizzes and projects only. Homework is a time for students to practice their learning and is therefore not graded. I never give a grade or a score that equates to lower than an “F”. Additionally, grades are based on quizzes, tests and projects only.

Units:

1st Semester:

UNIT #1 - Digital Information

UNIT #2 - The Internet

UNIT #3 - Introduction to Programming

UNIT #4 - Big Data & Privacy

UNIT #5 - Websites and Servers

2nd Semester – AP Create Task/Java Script Programming

Summative Assessments

Summative assessments are given at the end of each unit.

Formative Assessments

Brief formative assessments occur approximately every week and are used primarily to gauge student understanding and if assessed are NOT included in the student's overall grade.

Re-Assessment

Most tests and quizzes are available for retakes.

The AP Create Task is a requirement by the AP and involves writing a computer program. Most if not all of the entire second semester will be spent learning Java Script and practicing coding. Students with little or no experience in programming will be graded on their grasp of basic concepts. Students with experience coding will be graded on more advanced programming concepts.

Classroom Expectations

Everyone in our class (including the teacher) are expected to:

- Show Respect, Make Good Decisions, Solve the Problem

Course grading:

Coursework is graded in accordance with PSD grading scale published in Powerschool, our online grading platform as follows:

GRADE LABEL	DESCRIPTION	PERCENT CUTOFF	PERCENT VALUE
A	A	93	95
A-	A-	90	91
B+	B+	87	88.5
B	B	83	85
B-	B-	80	81
C+	C+	77	78.5
C	C	73	75
C-	C-	70	71
D+	D+	67	68.5
D	D	60	65
F	F	<60	50
P	P	0	0
IE	Incomplete		50
NE	No Evidence		40
F	F	<60	50

Code of Academic Integrity:

Gig Harbor High School is first and foremost an academic community; its fundamental purpose is the pursuit of knowledge. Essential to the success of this educational mission is a commitment to academic integrity. Every member of our school community is responsible for upholding the highest standards of honesty. Students, as members of the community, are responsible for adhering to the principles and spirit of the following Code of Academic Integrity:

Academic Dishonesty Definitions:

Activities that have the effect or intention of interfering with education, pursuit of knowledge, or fair evaluation of a student's performance are prohibited. Examples of such activities include but are not limited to the following definitions:

1. **Cheating:** using or attempting to use unauthorized assistance, material, or study aids in examinations or other academic work or preventing, or attempting to prevent, another from using authorized assistance, material, or study aids. *Example:* using a cheat sheet in a quiz or exam.
2. **Plagiarism:** using the ideas, data, or language of another without specific or proper acknowledgment. *Examples:* Copying another person's program code, article, or computer work and submitting it for an assignment, cloning someone else's ideas without attribution, failing to use quotation marks where appropriate. Copying and pasting ANY information from the internet without proper attribution. Copying and pasting ANY information from another person or source without proper attribution.
3. **Facilitating academic dishonesty:** knowingly helping or attempting to help another violate any provision of the Code. *Example:* working together on a take-home exam, etc.

If a student is unsure whether his action(s) constitute a violation of the Code of Academic Integrity, then it is that student's responsibility to consult with the instructor to clarify any ambiguities.

Parent Communication: Please contact me at wolgemuthe@psd401.net or in my classroom 253-530-1517 (outside of school hours please) with any questions.